



WONGSO
AIR COND & REFRIGERATION

Wongso Fan Coil Unit (WFC Series)

Wongso Fan Coil (WFC Series) has cooling capacity from 9,000 Btu/hr to 60,000 Btu/hr and can be used for direct expansion or chilled water applications.

The blower and motor use a direct drive centrifugal fan with 3 speed motor (high, low, and medium speed).

This unit provides flexibility of architectural design, economy of operation and space usage, individual room control with privacy, quietness, versatility of location and installation.



Medium Static



Low Static

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Wongso Fan Coil Unit (WFC Series) Specification Data



Model		WFC 09	WFC 12	WFC 18	WFC 24	WFC 30	WFC 40	WFC 40	WFC 50	WFC 60	
Cooling Capacity	Btu/h	9,000	12,000	18,000	24,000	30,000	36,000	40,000	50,000	60,000	
	kW	2.64	3.51	5.27	7.03	8.79	10.55	11.72	14.65	17.57	
	Kcal/h	2,268	3,024	4,536	6,049	7,561	9,073	10,081	12,601	15,122	
Airflow	CFM	300	400	600	800	1,000	1,200	1,300	1,600	2,000	
	m³/h	510	680	1,020	1,360	1,700	2,040	2,210	2,720	3,400	
Blower & Motor	Type	Direct Drive Centrifugal fan with 3 Speed motor									
	Wheel Size	Inch	6 x 8			6 x 9		6 x 8		6 x 9	
	Quantity	Unit	2				4				
	Voltage	V / Ph / Hz	220 / 1 / 50								
	Power	HP	1/20		1/15		1/10		1/15		1/10
	Rated Load Ampere	A	0.61		0.75		0.9		0.75		0.9
	Quantity	Unit	1				2				
Coil Evaporator	Fin Type	Aluminum Louvered Fin									
	Application	Direct Expansion or Chilled Water									
	Row	Row	2		3						
	Water Flow (CW)	m³/h	0.44	0.71	0.9	1.45	1.73	2.27	2.52	2.88	3.38
	Face Area	m²	4.2	6.25	8.5	8.5	12.35	14.31	15.9	21.2	26.5
Refrigerant Pipe Connection (DX)	Suction	Inch	3/8	1/2		5/8		3/4			
	Liquid	Inch	1/4			3/8				1/2	
Chilled Water Pipe Connection (CW)	Inlet	Inch (NPT)	3/4								
	Outlet	Inch (NPT)	3/4								
Dimension (L x W x H)	mm	950 x460 x250			1190 x460 x250		1550 x460 x250		1860 x460 x250		1920 x460 x300
	mm	950 x460 x250			1190 x460 x250		1550 x460 x250		1860 x460 x250		1920 x460 x300
Unit Weight	kg	22.5	23.5	26	32	37	42	44	46	52	

Nominal Cooling Capacity Conditions: Air Temp Ambient 35°C, Indoor 26.7°CDB, 19.5°CWB and Chilled Water In Temp 6°C, Chilled Water Out Temp 12°C

